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DERWENT-WEEK: 200264

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TITLE: Data communication network, comprises network center  
and  
peripherals communicating via low power wireless radio  
communication devices

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PATENT-FAMILY:

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MAIN-IPC			
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APPLICATION-DATA:

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INT-CL (IPC): H04L012/28, H04Q007/32

ABSTRACTED-PUB-NO: NL 1016278C

BASIC-ABSTRACT:

NOVELTY - The network center (1) includes a low power transmitter/receiver device (1a) for wireless radio communication with similar transmitter/receiver devices (3) provided in or connected to the peripherals (2a-2e, 2i-2k).

DETAILED DESCRIPTION - The network center is portable, has a rechargeable battery and is provided with a high power transmitter/receiver unit (1b) for wireless communication via a telephone network, and with a GPS receiver unit. The peripherals include personal digital organizers, palmtop computers (2b), laptop computers (2a), fax machines (2c), printers (2d) and land-line telephones.

USE - For multi-tasking work, remote monitoring of cigarette or soft drink vending machines, remote monitoring of automatic measuring devices, barcode scanning, or controlling lighting, heating and other domestic appliances in the home.

ADVANTAGE - The network is a fully mobile one.

DESCRIPTION OF DRAWING(S) - Figure 1 shows the data communication network built around a central unit.

Portable network center 1

Low power transmitter/receiver unit, e.g. Blue Tooth device 1a

High power transmitter/receiver unit, e.g. GSM phone 1b

Laptop computer 2a

Palmtop computer 2b

Fax machine 2c

Printer 2d

Peripheral 2e

Cigarette or soft drink vending machine 2i

Automatic measuring device 2j

**Barcode** reader 2k

Low power transmitter/receiver unit, e.g. Blue Tooth device 3

CHOSEN-DRAWING: Dwg.1/4

TITLE-TERMS: DATA COMMUNICATE NETWORK COMPRISE  
NETWORK PERIPHERAL COMMUNICATE  
LOW POWER **WIRELESS** RADIO COMMUNICATE DEVICE

DERWENT-CLASS: T01 W01 W05

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